

Title (en)  
ORAL IRRIGATOR WITH INTERDENTAL SPACE SENSING

Title (de)  
MUNDDUSCHE MIT INTERDENTALRAUMERFASSUNG

Title (fr)  
IRRIGATEUR ORAL AVEC DÉTECTION D'ESPACE INTERDENTAIRE

Publication  
**EP 4196045 C0 20240221 (EN)**

Application  
**EP 21765589 A 20210812**

Priority  
• EP 20191329 A 20200817  
• EP 2021072438 W 20210812

Abstract (en)  
[origin: EP3957271A1] A system for oral irrigation comprises a fluid delivery tube with a proximal end and a distal end. The proximal end is configured to receive fluids for oral irrigation. The system also comprises a nozzle at the distal end of the fluid delivery tube with an aperture for fluid delivery. The nozzle is configured to at least partially obstruct the flow of fluid from the fluid delivery tube through the nozzle when the aperture is in contact with a tooth relative to when the aperture is away from said contact. A pump is configured to pump fluids through the fluid delivery tube based on a pump configuration and a sensor is used for sensing a pressure or flow rate in the fluid delivery tube. A controller is configured to detect whether the nozzle is in an interdental space based on the sensor detecting a pressure drop or a flow rate increase in the fluid delivery tube and adjust the pump configuration based on the nozzle being in an interdental space.

IPC 8 full level  
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CPC (source: EP US)  
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Participating member state (EPC – UP)  
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